A SUBSTITUTE RESOLUTION BY
CITY UTILITIES COMMITTEE

04-R-1956

A RESOLUTION AUTHORIZING THE MAYOR OR DESIGNEE TO ISSUE A NOTICE-TO-PROCEED WITH CH2M HILL/WILLIAM-RUSSELL AND JOHNSON, A JOINT VENTURE, FOR FC-7619-03C, ARCHITECTURAL AND ENGINEERING SERVICES FOR RAW WATER TRANSMISSION SYSTEM IMPROVEMENTS ON BEHALF OF THE DEPARTMENT OF WATERSHED MANAGEMENT IN AN AMOUNT NOT TO EXCEED SEVEN HUNDRED THIRTY TWO THOUSAND FOUR HUNDRED DOLLARS ($732,400.00). ALL CONTRACTED WORK SHALL BE CHARGED TO AND PAID FROM FUND ACCOUNT AND CENTER NUMBER: 2J28 524001 Q65J08179999 (2004 WATER AND WASTEWATER BOND FUND CONSULTANT/ PROFESSIONAL SERVICES).

WHEREAS, the City of Atlanta (the "**City**") did enter into Agreement Number FC-7619-03C, Annual Contract for Architectural and Engineering Services; and

WHEREAS, the Commissioner of the Department of Watershed Management requires Architectural and Engineering Services for Raw Water Transmission System Improvements in the amount not to exceed Seven Hundred Thirty-Two Thousand Four Hundred Dollars ($732,400.00); and

WHEREAS, the Commissioner of the Department of Watershed Management and the Chief Procurement Officer for the Department of Procurement have recommended CH2M Hill/Williams-Russell and Johnson, a Joint Venture, to provide Architectural and Engineering Services for Raw Water Transmission System Improvements.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF ATLANTA, GEORGIA, that the Mayor be and is hereby authorized to approve a notice-to-proceed with CH2M Hill/Williams-Russell and Johnson, a Joint Venture, for FC-7619-03C, Annual Contract for Architectural and Engineering Services; in the amount not to exceed Seven Hundred Thirty-Two Thousand Four Hundred Dollars ($732,400.00)

BE IT FURTHER RESOLVED, that the Chief Procurement Officer be and is hereby directed to prepare an appropriate agreement for execution by the Mayor to be approved by the City of Atlanta as to form.

BE IT FURTHER RESOLVED, that this notice-to-proceed should not become binding on the City, and the City shall incur no liability upon same until such agreement has been executed by the Mayor and delivered to the contracting party.

BE IT FINALLY RESOLVED, that all services for said notice-to-proceed shall be charged to and paid from fund account and center number: 2J28 524001 Q65J08179999 (2004 WATER AND WASTEWATER BOND FUND CONSULTANT/ PROFESSIONAL SERVICES)

02/21/05 DOP (ADS)

DEPARTMENT OF PROCUREMENT
LEGISLATION SUMMARY

TO: CITY UTILITIES COMMITTEE

A RESOLUTION BY
CITY UTILITIES COMMITTEE

A RESOLUTION AUTHORIZING THE MAYOR OR DESIGNEE TO ISSUE A NOTICE-TO-PROCEED WITH CH2M HILL/WILLIAM-RUSSELL AND JOHNSON, A JOINT VENTURE, FOR FC-7619-03C, ARCHITECTURAL AND ENGINEERING SERVICES FOR RAW WATER TRANSMISSION SYSTEM IMPROVEMENTS ON BEHALF OF THE DEPARTMENT OF WATERSHED MANAGEMENT IN AN AMOUNT NOT TO EXCEED SEVEN HUNDRED THIRTY TWO THOUSAND FOUR HUNDRED DOLLARS ($732,400.00). ALL CONTRACTED WORK SHALL BE CHARGED TO AND PAID FROM FUND ACCOUNT AND CENTER NUMBER: 2J28 524001 Q65J08179999 (2004 WATER AND WASTEWATER BOND FUND CONSULTANT/ PROFESSIONAL SERVICES).

REQUESTING DEPARTMENT:	Department of Watershed Management
CONTRACT TYPE:	Professional Services
AWARDEES:	(1) CH2M Hill/Williams-Russell and Johnson (2) Atlanta Services Group (3) JP2 (Jacobs, Prad, PBS&J) (4) Shaw/ Aim, Joint Venture (5) Metcalf & Eddy/Cardozo Engineering, Joint Venture (6) Arcadis/Brindley Pieters & Associates, Joint Venture
SOURCE SELECTION:	RFP
PROPOSALS DUE:	January 7, 2004
INVITATIONS MAILED:	146
PROPOSALS RECEIVED:	12
PROPONENTS:	Arcadis/BPA-(Brindley Pieters & Associates) – Joint Venture Atlanta Architects & Engineers, Joint Venture

Atlanta Services Group, a Joint Venture

Infrastructure Partners-Joint Venture (B & E Jackson/HDR/Malcom Pirnie)
Brown and Caldwell/Deloan Hampton & Associatees/Long Engineering Inc. - Joint Venture

CH2M Hill/Williams-Russell and Johnson – Joint Venture

Earthtech/IMCo Joint Venture

HTL - Harrington, Tetra Tech & Lowe-Joint Venture

JP² (Jacobs, Prad, PBS&J) – Joint Venture

Metcalf & Eddy/Cardozo Engineering-Joint Venture

Parsons Brinckerhoff & Khafra-Joint Venture

Shaw Environmental Inc. /AIM Partners, PLC- JV

BACKGROUND: The scope of work for this project is for inspection and replacement of old 30-inch, 36-inch, and 48-inch cast iron and 72-inch steel raw water mains with 2 new 3 mile length 54-inch or 60-inch lines.

EVALUATION TEAM COMPOSITION: DPRCA, DWM, DPW, DPCD, OGA, OCC and Risk Management

PROJECT PARTICIPATION: CH2M Hill, Inc./Williams-Russell and Johnson, Inc. a JV (15 pts.)

Williams-Russell and Johnson	AABE	32%
C.E.R.M.	AABE	4%
Precision Engineering and Surveying, Inc.	AABE	4%
Desmear Systems, Inc.	AABE	3%
Cheeks/Hornbein & Associates	AABE	4%
Smith Real Estate Services, Inc.	FBE	4%
CSA Central, Inc.	HBE	3%
Eagle Environmental Group	FBE	2%
Neil Engineering	FBE	2%
RCS Enterprises, Inc.	FBE	2%
D. Clark Harris	FBE	2%
PEQ	FBE	3%
Clarification and Mediation	FBE	3%
Participation Total		**68%**

SHIRLEY FRANKLIN
MAYOR

CITY OF ATLANTA
55 TRINITY AVENUE., SW, SUITE 5400, SOUTH BLDG.
ATLANTA, GEORGIA 30303-0324
OFFICE (404) 330-6081
FAX (404) 658-7194

DEPARTMENT OF
WATERSHED MANAGEMENT
ROBERT J. HUNTER
Commissioner

February 18, 2005

TO: Adam L. Smith, Chief Procurement Officer
Department of Procurement

FROM: Robert J. Hunter, Commissioner
Department of Watershed Management

RE: **LEGISLATIVE REQUEST**
TASK ORDER Under FC-7619-03C
Raw Water Transmission System Improvements
Contractor: CHWM Hill/Williams-Russell and Johnson, JV

Please prepare the appropriate legislation (Cycle 6) for the above reference services. We anticipate services in an amount not to exceed **$732,400.00**. Please find attached the scope of services and Requisition No. **Q65J-5002.** The costs shall be charged to Fund, Account and Center No. **2J28-524001-Q65J08179999**.

If you have any questions concerning this matter, please feel free to contact Sabrina D. Watts, Watershed Manager, at (404) 330-6955 or George Barnes, Deputy Commissioner, at (404) 330-6708.

Your assistance in this matter is requested and appreciated.

/gjc

c: Sheila Pierce, DWM
Benjamin Kuku, DWM
George Barnes, DWM
Sabrina D. Watts, DWM
Cathy Martin, DOP
Paul Kwaw, DF
Maisha Land, DWM
Gwendolyn J. Carswell, DWM
File

CH2M HILL
115 Perimeter Center Place NE
Suite 700
Atlanta, GA 30346-1278
Tel 770.604.9095
Fax 770.604.9183

CH2MHILL / williams-russell and johnson, inc. engineers · architects · planners

January 31, 2005

Mr. Lee Hunt
Department of Watershed Management
68 Mitchell Street, SW, Suite 4400
Atlanta, Georgia 30335-0325

Subject: Proposal to Provide Professional Engineering Services for Raw Water Transmission System Improvements

Dear Mr. Hunt:

The CH2M HILL and Williams Russell Johnson (WRJ) Joint Venture (JV) is pleased to submit this proposal to provide professional engineering services for the evaluation of the City of Atlanta raw water transmission piping system.

Introduction

The City of Atlanta (COA) currently conveys raw water from a pump station at the Chattahoochee River to the Hemphill Water Treatment Plant (WTP) through 4 pipelines: a 72-inch steel pipeline; and a triplet of 30-, 36- and 48-inch cast iron (CI) pipelines. All of the pipelines are nearing the end of their useful service life and have exhibited deterioration in the form of line breaks and other system failures. The purpose of this project is to assess the feasibility of rehabilitating the existing pipelines to renew the service life of this critical COA infrastructure. Detailed engineering and/or alternatives to construct new pipelines are not included as a part of this scope of work, but may be added based on the results of this evaluation.

The project team will complete preliminary engineering field investigations and evaluations to determine the condition of the existing pipelines. In addition, determinations will be made concerning the suitability of the piping for rehabilitation.

Project Understanding

The approximate length of the steel pipeline is 25,000 linear feet, and the length of each CI pipeline is approximately 18,000 linear feet. The CI pipelines run generally parallel to each other from the pump station to the WTP, while the steel pipeline follows a separate alignment. It has been reported that about 200 linear feet of the 48-inch CI pipeline has been abandoned in place, and the abandoned section has been bypassed with ductile iron pipe.

The steel pipeline is a spiral-welded pipe fabricated with bell and spigot (slip joint) connections, which are welded both internally and externally. Portions of this pipe are

reported to be cathodically protected with impressed current. The pipeline experienced some failures in the late 1970s due to internal ruptures at the bell and spigot joints. It is understood that Metallurgical Engineers of Atlanta, Inc. completed a metallurgical investigation in 1982 that identified a cause of these failures and recommended remedial measures to reduce the stresses at the connections. The study also recommended operational changes to reduce water hammer.

Because the previous metallurgical study is 22 years old, the proposed investigation will include leak detection profiling of the joints as an indicator of condition. The investigation will also include inspections and evaluations of the main body of the pipeline to detect other areas of deterioration.

The installation of the CI mains predates universal manufacturing and design standards. The turn-of-the-century CI pipelines were characteristically fabricated with thick walls that compensated for the large variation in wall thickness and lower quality iron inherent to these pipes. CI pipe sections at that time varied greatly in weight and dimensions. The CI pipes installed in Atlanta also have bell and spigot connections sealed with leaded joints. This type of sealant has been found to be of poor quality, with leakages occurring after a certain age. In 1994, two major failures of the CI pipelines resulted in shortages of pumped raw water to the treatment plant.

Scope of Work

1 Project Management

Project management activities will include the preparation of a work plan with instructions for project execution, including: deliverables lists and descriptions, staff assignments and responsibilities, project schedule with intermediate and final milestone dates, assigned labor hour and dollar budgets, and QA/QC procedures. A list of anticipated deliverables is presented in Table 1 at the end of this Scope of Work discussion.

1.1 Develop Project Instructions

Project instructions will be developed to identify and charter the project team and outline the roles, budgets, schedule, and deliverables.

1.2 Prepare Monthly Project Status Reports

Monthly invoices and abbreviated status reports will be prepared and submitted monthly for this work. The monthly invoice will be in a format to be approved by the COA's project manager and will include copies of any subconsultant invoices, as well as a transaction register to back up direct expense charges.

1.3 Program Management

While the Project Manager will direct the overall activities of the project team and resolve technical, schedule, staffing, and cost issues, the Program Manager will maintain involvement with the project to insure it is run consistently with the other COA projects being executed by the JV. Close contact with the COA project manager and will be maintained and regular updates of the status of issues that may affect the work will be provided.

2 Preliminary Engineering Services

In order to evaluate the current condition of the raw water pipeline system and develop alternatives for rehabilitation, the JV proposes to perform the tasks outlined below and described in the following sections.

The tasks included in this evaluation are to:

- Collect and review existing data and prepare a detailed field and engineering investigation plan,
- Locate and identify appurtenances and access to the pipelines for follow-up investigations,
- Complete leak location surveys of the existing pipelines,
- Assess existing and future system requirements, with reference to the results of hydraulic modeling performed by COA staff,
- Complete corrosion, geotechnical, and materials investigations,
- Summarize findings and evaluate the benefits of rehabilitating parts or all of the existing system to provide future service, and
- Prepare a final report documenting the work

2.1 Kickoff Meetings

The project team will meet with COA stakeholders to discuss project objectives, critical success factors, schedule, data requirements, and field services. Meeting notes will be prepared and distributed to attendees.

2.2 Coordinate and Oversee Project Team, Prepare and Oversee Subcontracts

The project team activities will be coordinated between the JV partners and subcontracted companies. The JV will arrange for and oversee specialty services performed by subcontracted companies for work such as specialized testing and laboratory analyses.

2.3 Data Review

The purpose of this task is to collect all available data for review and to assist in guiding the subsequent field and laboratory investigations. This task will involve collecting and organizing the various historical data (initial pipe dimensions, operational data, record of failures, etc.). This information will be used to identify pipeline segments that are likely candidates for repair or replacement and areas where follow-up investigations should be focused. The task will involve the collection of physical data, discussions/interviews with COA staff, and limited preliminary field activities.

Information gathering activities will consist primarily of the following:

- Collect and review available drawings, construction plans, previous reports and studies, and shop drawings provided by the COA files pertaining to the existing pipelines,
- Collect and review records of past breaks, repairs, and modifications,
- Collect and review flow data, information regarding current and historical operating conditions or procedures, and maintenance and repair records (including interviews with COA personnel),
- Obtain and review previous metallurgical report if available from the COA,
- Research historical data from the Ductile Iron Pipe Research Association, American Cast Iron Pipe Company, and the American Water Works Association regarding design and manufacturing criteria in effect at the time of CI pipeline installation,
- Inspect coupons from earlier failure of CI pipe (as available from the COA), and
- Evaluate impacts of existing water quality on corrosivity of pipelines using information provided by the COA.

2.4 Field Investigation Plan

This task will involve the development of a plan to conduct the various field activities for assessing the current condition and environment of the existing pipelines. The JV team members along with our subconsultant will carry out these activities as further defined below. The Field Investigation Plan will include a health and safety plan that will address confined space entry of the mains and other measures to mitigate risk to human health and welfare.

2.5 Route Surveys

The purpose of route surveys will be to conduct field reconnaissance of the existing pipeline routes to locate and identify significant appurtenances and access to the pipelines to support follow-up investigations. The work will include developing a general location plan of the existing pipelines by integrating existing location information for the pipeline (major

fittings, valves, manways, etc.) with current aerial photographic base mapping contained in the City's Geographic Information System (GIS).

Selective exploratory excavations (potholing) to confirm pipeline locations and elevations may also be performed and will be coordinated with related field activities to allow access for the installation of field taps, sampling of coupons, and soils and pipe corrosion inspections to be performed.

Detailed field surveys, preparation of as-built drawings and/or field work performed by a registered land surveyor are not a part of this work but can be provided as additional services, if authorized by the City to support detailed design and engineering, as determined by the results of the preliminary engineering activities.

2.6 Leak Location Surveys

Leak location surveys are proposed to assist in developing a condition assessment of the existing pipelines. Profiling the location and relative magnitude of leaks in the pipelines will provide an assessment of the joint conditions and may help characterize the presence of other piping system defects. Understanding the number, location and magnitude of leak/defects will help focus more detailed inspections and provide a good overview of overall pipeline conditions.

Leak location surveys can be completed without disrupting service, but will require direct access to the pipeline and installation of a 2-inch, full port valve to allow insertion of the remote sensor. As a supplementary benefit of this activity, pipe material coupons will be obtained from the tapping process needed to install the access valves. These valved ports may also be used to provide collection of water samples to assist in profiling water quality along the pipeline route if no other information is available from the COA.

Using the Sahara leak location system as provided by the Pressure Pipe Inspection Company, a sensor will be pulled through the pipeline at a controlled rate using pipeline water velocities for motive force. Continuous monitoring of the sensor output and above ground-tracking will be performed as the sensor moves through the pipeline.

Typical production rates of 1 mile of pipeline per day are possible with access points up to 5,000 linear feet apart. The proposed focus of this inspection is the existing 72-inch pipeline. The actual amount and locations of pipelines to be surveyed will be based on the feasibility of access, operating and field conditions, and other factors that will be assessed during project mobilization and will be completed as directed by the COA.

2.7 Hydraulic Evaluations

All hydraulic modeling work will be performed by COA staff. Hydraulic modeling is required in order to assess the operation of the existing piping system and to evaluate alternatives for rehabilitation. This work should include a transient (surge) analysis to address the concerns identified earlier and should also evaluate the flow bypassing capabilities of the existing systems needed to accommodate rehabilitation.

2.8 Corrosion and Materials Investigations

Selective inspection, sampling, and testing of the interior and exterior of the existing pipes, pipe zone soils, and transmission waters is also being proposed as a part of this task to help in developing an accurate assessment of the condition of the existing pipeline systems. We understand that the steel pipe has 27 access manholes, the 48-inch CI pipe has one manhole, and the 30-inch and 36-inch pipes have no manholes.

The work in this task may include:

- A review of available geotechnical information, operating and maintenance data, and inspection reports for the existing cathodic protection systems used to protect the existing pipelines,
- Close interval pipe-to-soil potential surveys will used to evaluate the effectiveness of cathodic protection. The test results can also be used to select locations for exposing the pipe to allow condition assessment (areas where cathodic protection may not be effective or anomalies are found),
- Soil resistivity surveys,
- Ultrasonic wall thickness profiling,
- Pipe coupon analyses, and
- Inspection of the interior and exterior of existing pipelines.

This work will be performed as directed by the COA based on recommendations prepared by the JV after preliminary surveys and data reviews have been completed and a better understanding of site conditions has been achieved. Additional work including the evaluation of site conditions for new pipelines to be constructed outside of the routes of the existing pipelines are not planned at this time, but may be performed at the direction of the COA.

2.9 Summary Evaluation of Rehabilitation Alternatives

This task will summarize the results of field and engineering investigations and evaluate the feasibility of rehabilitating the existing pipelines. This work will evaluate alternative rehabilitation options including cured-in-place-pipe (CIPP), sliplining and pipe bursting of the existing pipelines to provide future service and investigate the feasibility of accomplishing rehabilitation on the existing systems and impacts to operations.

2.10 Preparation of Final Report

To conclude the preliminary engineering activities, the JV will prepare a Final Report, which will include the following elements:

- Summary tables of all field investigation results (detailed test results provided by subcontractors and testing laboratories will be included as appendices).

- Development and evaluation of alternatives for pipeline system rehabilitation.

As a part of this evaluation, conceptual level construction cost estimates of alternatives deemed feasible will be developed based on information obtained during the field investigations and as supported by vendor/contractor experience and current technology practice. The JV will prepare conceptual level estimates of construction costs in accordance with the accuracy ranges (+50%/-30%) as recommended by the American Association of Cost Engineers (ACEE).

The JV will present the findings of the final report in a workshop format to COA staff.

2.11 Quality Assurance Reviews

For all of the tasks described above (with the exception of Task 2.7), the JV will perform appropriate QC reviews as the work progresses. Issues addressed in the reviews will include: compliance with project criteria and applicable codes; agreement with supporting calculations; adequacy of materials being specified; adequacy of operability, maintainability, and usability of the facilities; and implications with respect to constructability and budget.

TABLE 1
List of Anticipated Deliverables

Task No.	Task Name	Client Deliverable
1	**Project Management**	
1.1	Develop Project Instructions	Project instructions
1.2	Prepare Monthly Project Status reports	Monthly status reports
2	**Preliminary Engineering Services**	
2.1	Kickoff Meeting	Meeting minutes
2.4	Field Investigation Plan	Work Plan
2.6	Leak Location Surveys	Subconsultant Report
2.8	Corrosion Materials Investigations	Technical Memorandum
2.10	Preparation of Final Report	Final Report (including compiled TMs)

Assumptions

The following assumptions were made in developing the scope of work and associated cost of services.

Preliminary Engineering Services

1. The preliminary engineering work on this project will be completed during 2005.
2. Field activities will be performed where access for equipment and personnel is available. No additional clearing or vehicle access improvements are included as part of this work.
3. This work assumes all existing pipelines are located in public rights-of-way or recorded easements. No additional easement work for existing pipelines is included in this work.
4. Leak location surveys assume access to the pipelines for equipment and vehicles and that the COA will provide the tapping connections to the existing lines. The leak location surveyor will provide the isolation/sensor insertion valve.
5. Field inspections of the interior of the pipeline assume the COA will coordinate and be responsible for activities needed to shut down and isolate the pipelines for inspection and open accessways for the JV inspection personnel.
6. Additional pipe material coupon sampling will be provided by the COA.
7. Twelve review copies and five final copies of the final report will be provided to the COA. Five copies of the Contract Documents will be provided to the COA for their review.
8. All hydraulic modeling will be performed by COA staff. In order to properly coordinate Task 2.7 Hydraulic Evaluation, a designated contact person will be provided by the COA. The COA contact person will attend the kick-off meeting, and will work with the JV partners to develop a schedule of modeling runs to assess operating scenarios and bypass capabilities. The results of modeling runs will be forwarded from the COA to the JV for incorporation into the final report.
9. The JV partners will not provide quality assurance review of the modeling results performed by the COA staff under Task 2.7. Any recommendations made based upon the results of COA modeling will be so noted in the final report.

Joint Venture Project Team

This work will be performed in accordance with the terms and conditions of the agreement between the COA and CH2M HILL/Williams, Russell & Johnson (WRJ) - a JV, FC7619-04C executed May 17, 2004. The JV team, carefully selected by the JV Program Manager, is comprised of junior, mid-level, senior engineering and M/FBE consultant professionals highly qualified in this subject matter to deliver a quality product within the budgetary and

schedule constraints. An organizational chart of the JV team for this project is provided as Attachment A.

Schedule

The JV proposes to complete the scope of work for Preliminary Engineering Services within seven months of receiving a written Notice to Proceed.

Compensation

The COA will compensate the JV for the scope of services presented herein on a per diem basis with a not to exceed cost of $732,400 A breakdown of labor and expenses is provided as Attachment B. For the purpose of developing a cost for this proposal, it is assumed that all work will be completed by December 2005.

Work will be performed in accordance with the terms and conditions of the agreement between the COA and CH2M HILL/WRJ, Inc. - a JV executed May 2004 (FC-7619-03). A summary of the labor rates that have been negotiated as part of this agreement appear as Attachment C.

Thank you for the opportunity to submit this proposal for engineering services. Do not hesitate to call with questions or to request additional information.

Sincerely,

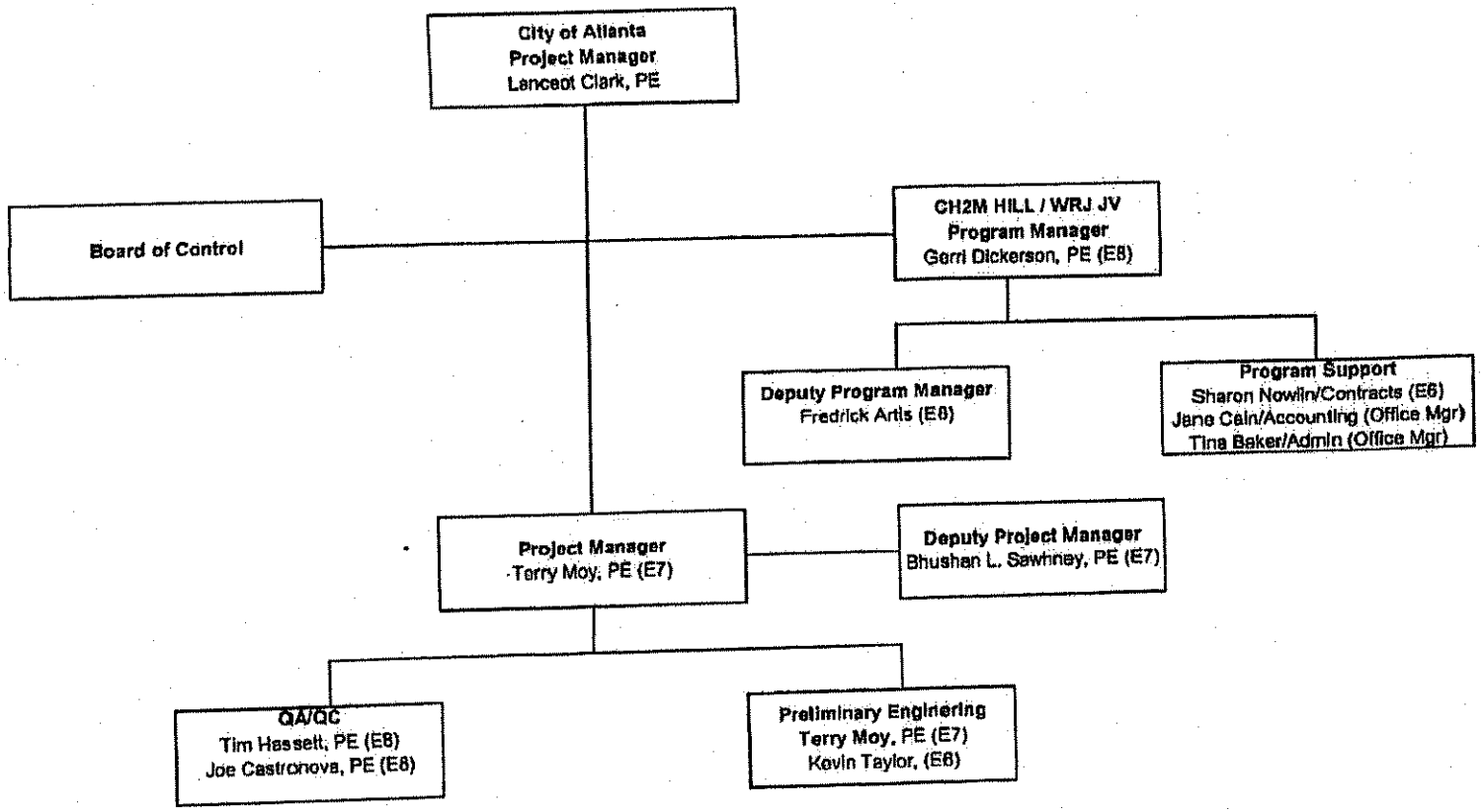
CH2M HILL/WRJ

Gerri Dickerson, P.E.
Program Manager

Frederick Artis
Deputy Program Manager

cc: Angela Roberts /CH2M HILL
Mike Marino /CH2M HILL
Terry Moy/ CH2M HILL

Attachment A - JV Project Team Organization (a)
Raw Water Transmission Improvement Project



(a) Chart includes key project team members only.

Attachment B-Scope of Services Cost Summary
Raw Water Transmission System Improvements

Task	Description	Engineer 8	Engineer 7	Engineer 6	Engineer 5	Engineer 4	Engineer 3	Designer 4	Clerical/ Administrative Assistant	Labor Hrs	Labor Cost	Other Expenses	Total
1	**Project Management**												
1.1	Project Instructions	8	16	80	0	0	0	0	8	112	$ 14,097		$ 14,097
1.2	Status reports/invoicing	32	24	100	0	0	0	0	40	196	$ 23,744		$ 23,744
1.3	Program Management[1]	32	16	0	0	0	0	0	50	98	$ 10,792		$ 10,792
	Sub-Total	72	56	180	0	0	0	0	98	406	$ 48,633	$ -	$ 48,600
2	**Preliminary Engineering Services**												
2.1	Kickoff Meeting[2]	8	16	8		0	0	0	2	34	$ 4,897		$ 4,897
2.2	Project team coordination	48	60	40	0	0	0	0	80	228	$ 26,797		$ 26,797
2.3	Data Review		120	24	80	80	0	0	40	344	$ 37,897		$ 37,897
2.4	Field Investigation Plan	0	64	64	112	64	0	0	40	344	$ 36,282		$ 36,282
2.5	Route Surveys	0	80	0	80	0	80	40	0	280	$ 29,445		$ 29,445
2.6	Leak Location Surveys	0	200	0	0	40	0	0	40	280	$ 35,605	$ 160,000	$ 195,605
2.7	Hydraulic Evaluation	0	20	40	0	0	0	0	8	68	$ 8,375		$ 8,375
2.8	Corrosion and Materials Investigations	0	200	16	200	200	200	0	0	816	$ 83,074	$ 150,000	$ 233,074
2.9	Development of Rehabilitation and/or Replacement Alternatives	8	120	0	80	0	0	40	0	248	$ 31,105		$ 31,105
2.10	Preparation of Final Report	8	120	64	80	0	80	80	60	492	$ 51,765	$ 2,000	$ 53,765
2.11	Quality Assurance Reviews	72	60	40	0	0	0	0	0	172	$ 26,514		$ 26,514
	Sub-Total	144	1060	296	632	384	360	160	270	3306	$ 371,756	$ 312,000	$ 683,800
	Grand Total	**216**	**1116**	**476**	**632**	**384**	**360**	**160**	**368**	**3712**	$ 420,389	$ 312,000	$ 732,400

Task	Description of Task	Description of Expense	Cost
2.6	Leak Location Surveys	Owners directed contingency for leak detection	$ 160,000
2.8	Corrosion and Materials Investigations	Specialty Subcontractor for material testing. Utility locate and potholing subcontractor.	$ 150,000
2.10	Preparation of Final Report	Printing/Reproduction	$ 2,000
		Total	$ 312,000

A RESOLUTION BY

CITY UTILITIES COMMITTEE

04- R-1956

A RESOLUTION AUTHORIZING THE MAYOR OR HER DESIGNEE TO ISSUE A NOTICE TO PROCEED WITH CH2M HILL/ WRJ, JV FOR FC 7619-03C, FOR RAW WATER TRANSMISSION MAINS, ON BEHALF OF THE DEPARTMENT OF WATERSHED MANAGEMENT IN AN AMOUNT NOT TO EXCEED NO DOLLARS AND NO CENTS ($000.00). ALL CONTRACTED WORK SHALL BE CHARGED TO AND PAID FROM FUND ACCOUNT AND CENTER NUMBER 2J28 524001 Q65J08169999.

WHEREAS, the City of Atlanta (the "City") did enter into Agreement Number FC 7619-03C, Annual Contract for Architectural and Engineering Services; and

WHEREAS, the Commissioner of the Department of Watershed Management requires the Raw Water Transmission Mains services in the amount not to exceed No Dollars and No Cents ($000.00); and

WHEREAS, the Commissioner of the Department of Watershed Management requires Architectural and Engineering Services for Raw Water Transmission Mains in the amount not to exceed No Dollars and No Cents ($000.00); and

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF ATLANTA, GEORGIA, that the Mayor be and is hereby authorized to issue a Notice To Proceed with CH2M Hill/ WRJ, JV, for FC 7619-03C, for Raw Water Transmission Mains, based on unit prices in an amount not to exceed No Dollars and No Cents dollars ($000.00).

BE IT FURTHER RESOLVED, that the Chief Procurement Officer be and is hereby directed to prepare an appropriate agreement for execution by the Mayor to be approved by the City Attorney as to form.

BE IT FURTHER RESOLVED, that this agreement shall not become binding on the City, and the City shall incur no liability upon same until such contract has been executed by the Mayor and delivered to the contracting party.

BE IT FINALLY RESOLVED, that all services for said contracted work shall be charged to and paid from fund account and center number 2J28 524001 Q65J08169999.

LEGISLATIVE SUMMARY

TO: CITY UTILITIES COMMITTEE

CAPTION:

A RESOLUTION AUTHORIZING THE MAYOR OR HER DESIGNEE TO ISSUE A NOTICE TO PROCEED WITH CH2M HILL/ WRJ, JV FOR FC 7619-03C, FOR RAW WATER TRANSMISSION MAINS, ON BEHALF OF THE DEPARTMENT OF WATERSHED MANAGEMENT IN AN AMOUNT NOT TO EXCEED _____ DOLLARS ($00.00). ALL CONTRACTED WORK SHALL BE CHARGED TO AND PAID FROM FUND ACCOUNT AND CENTER NUMBER 2J28 524001 Q65J08169999.

Council Meeting Date:	November 1, 2004
Legislation Title:	FC 7619-03C, Raw Water Transmission Mains
Requesting Dept.:	Department of Watershed Management
Contract Type:	ARCHITECTURAL AND ENGINEERING SERVICES
Source Selection:	Sealed Proposals
Bids Due:	_____
Estimated Value:	_____

Background:
INSPECTION AND REPLACEMENT OF OLD 30-IN., 36-IN., AND 48-IN. CAST IRON AND 72-IN. STEEL RAW WATER MAINS WITH 2 NEW 3 MILE LENGTH 54-IN.OR 60-IN. LINES.

Fund Account Center:	2J28 524001 Q65J08169999
Prepared By:	Sabrina Watts
Contact Number:	(404) 330-6955

TRANSMITTAL FORM FOR LEGISLATION

TO: MAYOR'S OFFICE **ATTN: GREG PRIDGEON**

Commissioner's Signature: _____
Adam L. Smith

Originating Department: Department of Watershed Management
Contact Person: Sabrina Watts Ext 6955

Committee(s) of Purview: City Utilities Committee Council Deadline: October 11, 2004

Committee Meeting Dates: October 26 -27, 2004 Full Council Date: November 1, 2004

CAPTION

A RESOLUTION AUTHORIZING THE MAYOR OR HER DESIGNEE TO ISSUE A NOTICE TO PROCEED WITH CH2M HILL/ WRJ, JV FOR FC 7619-03C, FOR RAW WATER TRANSMISSION MAINS, ON BEHALF OF THE DEPARTMENT OF WATERSHED MANAGEMENT IN AN AMOUNT NOT TO EXCEED _____ DOLLARS ($00.00). ALL CONTRACTED WORK SHALL BE CHARGED TO AND PAID FROM FUND ACCOUNT AND CENTER NUMBER 2J28 524001 Q65J08169999.

BACKGROUND

THE SCOPE OF WORK FOR THIS PROJECT IS TO INSPECTION AND REPLACEMENT OF OLD 30-IN., 36-IN., AND 48-IN. CAST IRON AND 72-IN. STEEL RAW WATER MAINS WITH 2 NEW 3 MILE LENGTH 54-IN.OR 60-IN. LINES..

FINANCIAL IMPACT (if any) $_____

Mayor's Staff Only

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Received by Mayor's Office: 10.21.04 (date) Reviewed by: _____ (initials) (date)

Submitted to Council: _____ (date)

Action by Committee: _____Approved _____Adversed _____Held _____Amended
_____Substitute _____Referred _____Other